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TITLE : RESIN COMPOSITION

ABSTRACT : PURPOSE: To obtain a resin composition having an excellent heat resistance after a heat history by mixing a mixture comprising a PP resin and a polyphenylene ether in a specified ratio with a hydrogenated block copolymer having a specified structure.

CONSTITUTION: A block copolymer composed of at least two polymer blocks A containing about 50wt.% or above aromatic vinyl compound (e.g. styrene) and at least two polymer blocks B containing a conjugated diene compound (e.g. butadiene) and having a 1,2-vinyl or 3,4-vinyl bond content of 65-80% is hydrogenated to obtain a hydrogenated block copolymer (e.g. PS/hydrogenated polybutadiene/PS/PS/hydrogenated polybutadiene) of a molecular weight of about 5,000-1,000,000. 1-30 pts.wt. obtained copolymer is added to 100 pts.wt. molten mixture comprising 30-90wt.% PP resin mixture having a highly crystalline PP/intermediately crystalline PP ratio of 90/10 to 10/90 by weight and 70-10wt.% polyphenylene ether (e.g. poly(2,6-dimethyl-1,4-poly-phenylene ether)), and the resultant mixture is melt-kneaded to obtain a resin composition which can give a cured product of excellent durability.

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